CM3 SODIMM IO Board

schematic

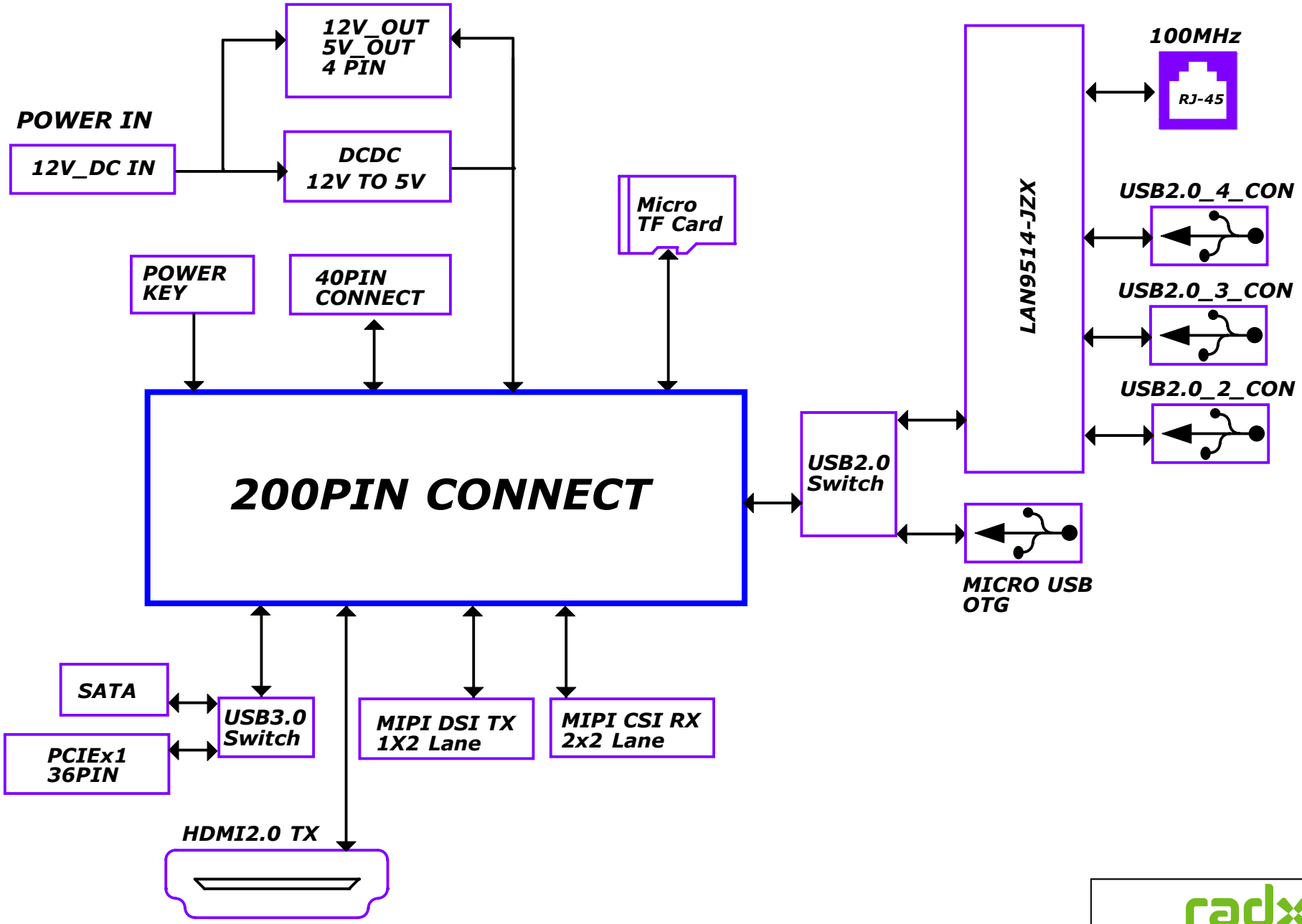
V1.51

Table of Content

01.cover
02.Index
03.Block_Diagram
04.MIPI_DSI_CSI
05.RJ45_USB2.0
06.PCIE2.0_SATA
07.TF Card_USB OTG
08.HDMI OUT
09.40PIN_Boot
10.POWER IN
11.200PIN CONNECT
12.LED_KEY

Size: A4	Title: CM3 SODIMM IO Board	REV: 1.51
	Page Name: Index	
Date: Monday, March 27, 2023	Sheet 02 of 12	

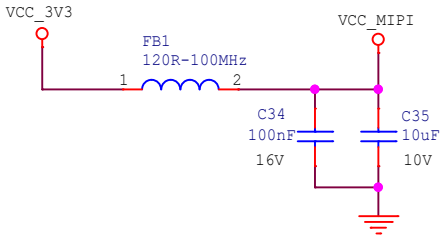
Block Diagram

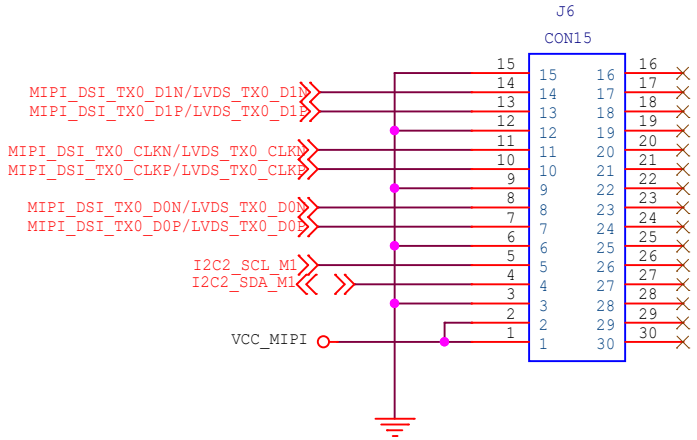


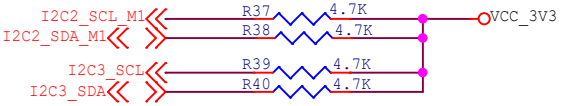
radxa

Size	Title:	REV
A3	CM3 SODIMM IO Board	1.51
	Page Name: Block_Diagram	
Date: Monday, March 27, 2023	Sheet 03 of 12	

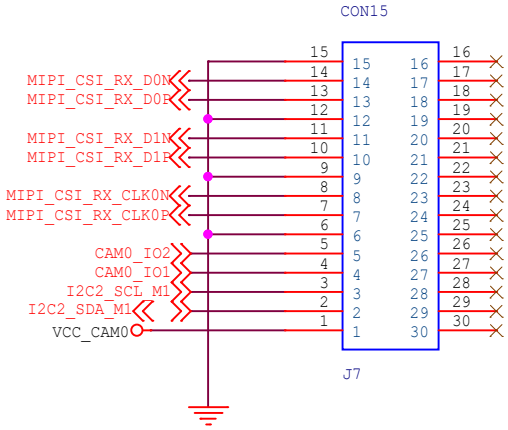
MIPI_DSI_TX 2Lanes

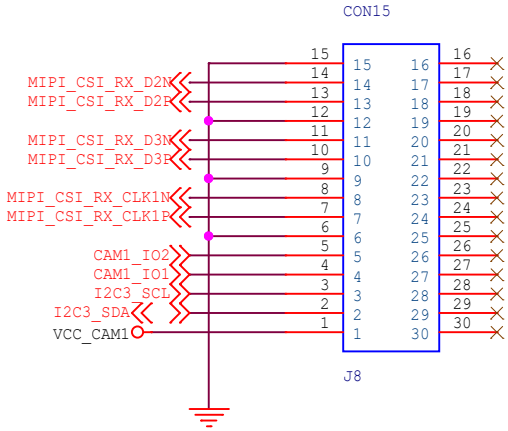


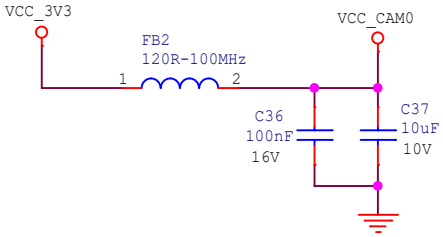


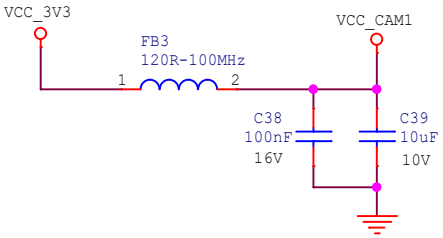


MIPI_CSI_RX 2Lanes





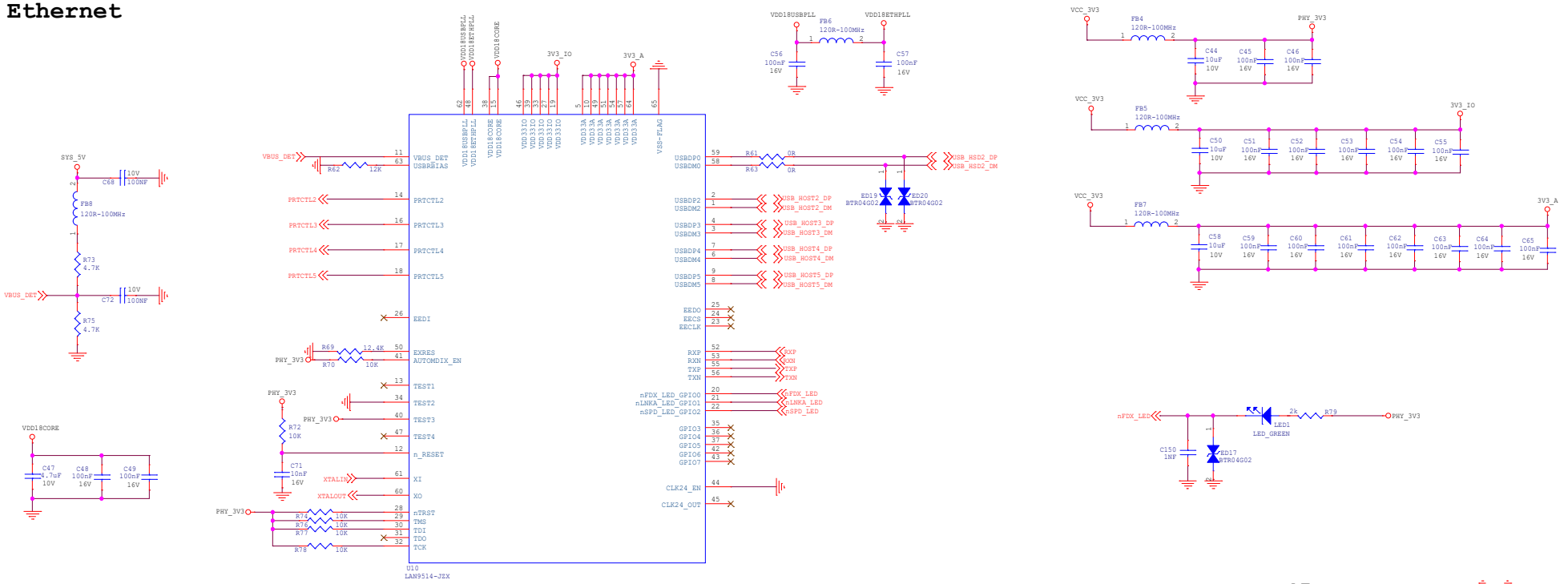


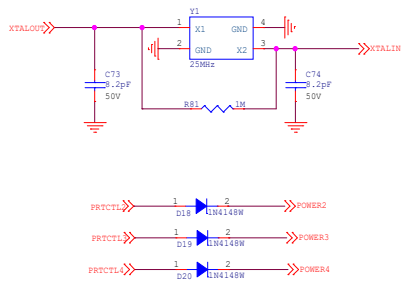


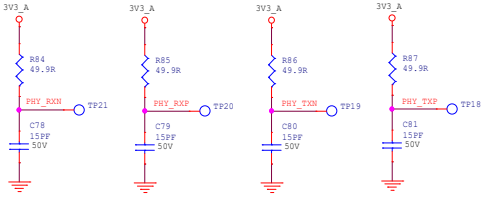
radxa

Size	Title:	CM3 SODIMM IO Board	REV
A4	Page Name:	MIPI_DSI_CSI	1.51
Date:	Monday, March 27, 2023	Sheet 04 of 12	

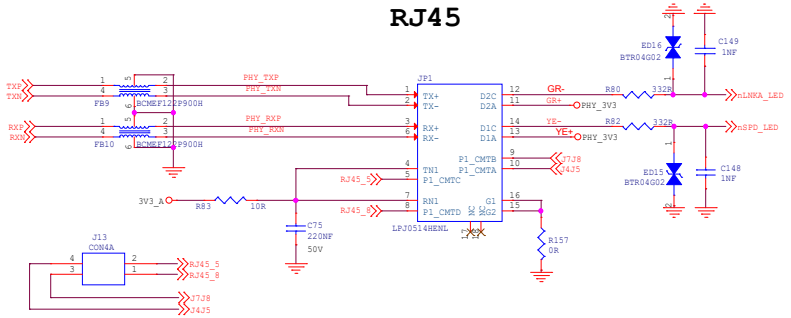
Ethernet



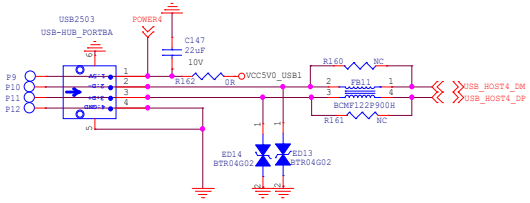


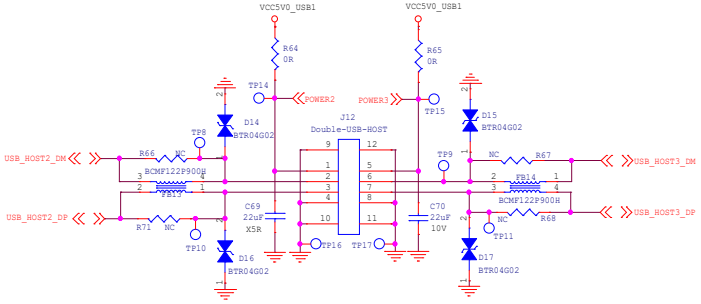


RJ45



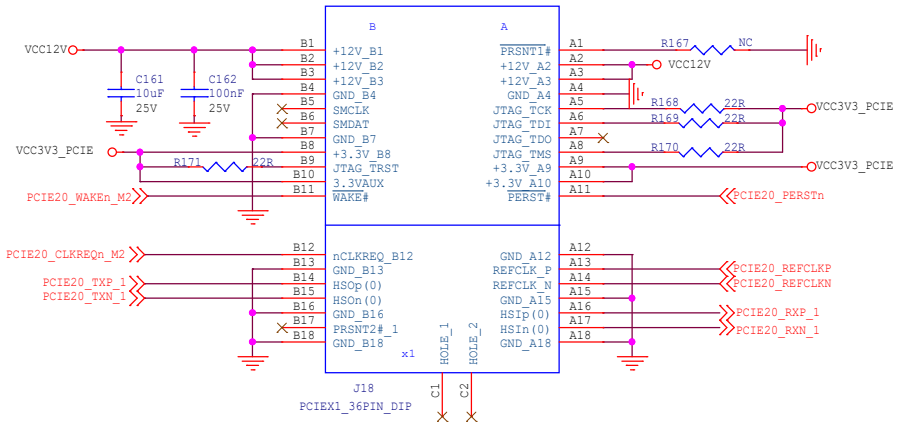
USB2.0

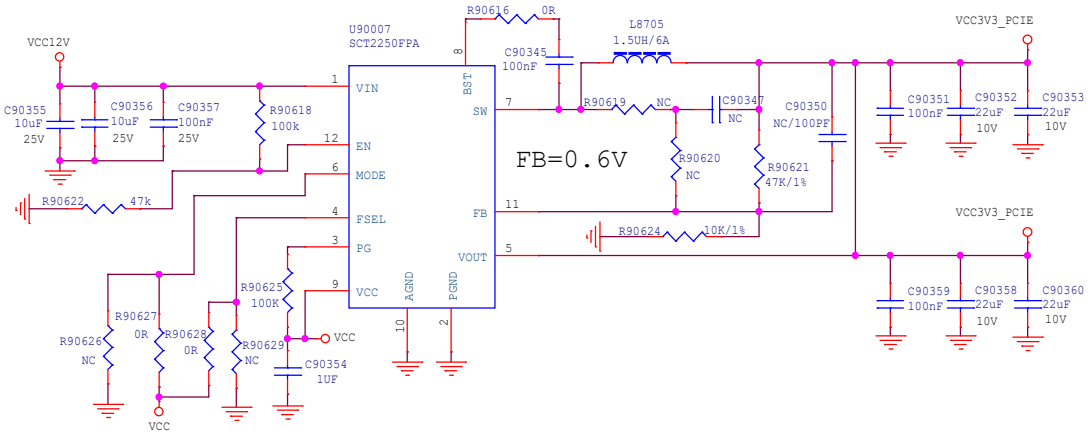




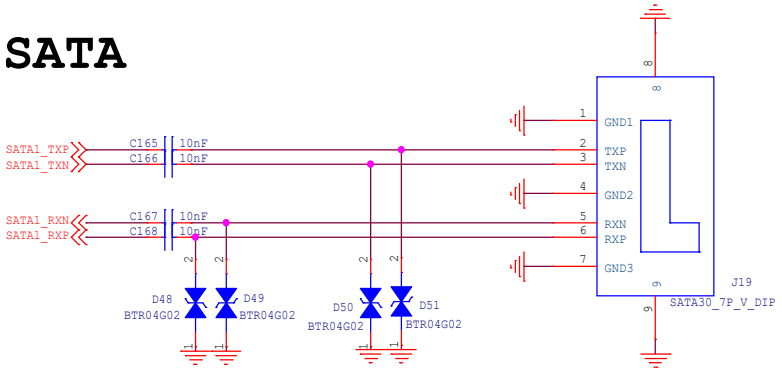
radxa			
Size	Title:	CM3 SODIMM IO Board	REV
Custom	Page Name:	RJ45_USB2.0	1.51
Date: Monday, March 27, 2023	Sheet 05 of 12		

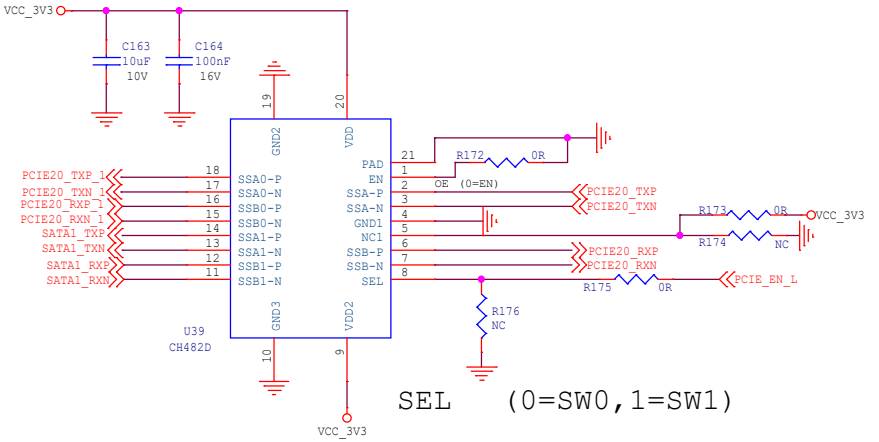
PCIE





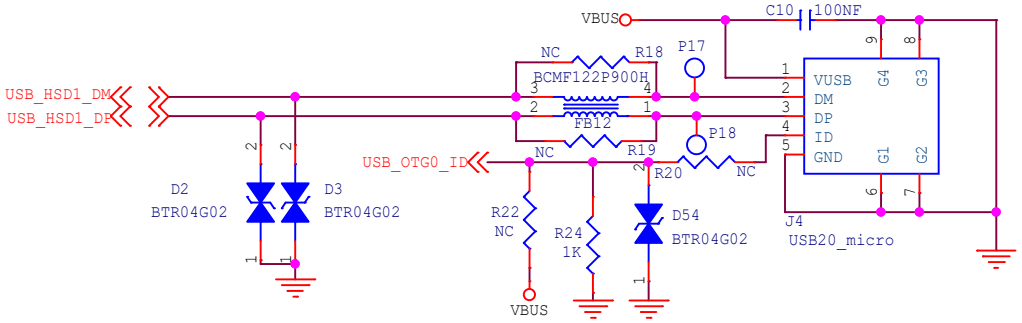
SATA

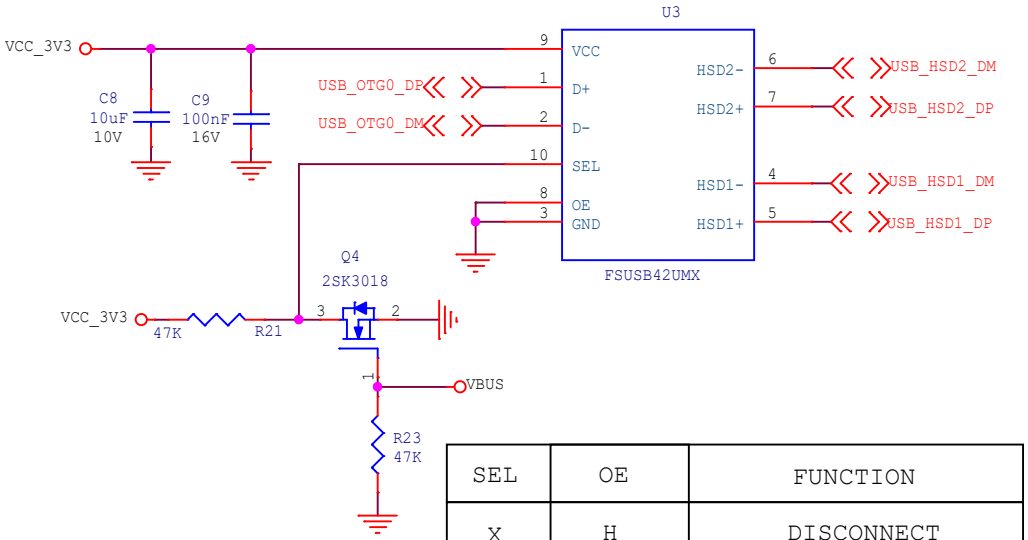




Size B	Title: CM3 SODIMM IO Board	REV 1.51
	Page Name: PCIE2.0_SATA	
Date: Monday, March 27, 2023	Sheet 06 of 12	

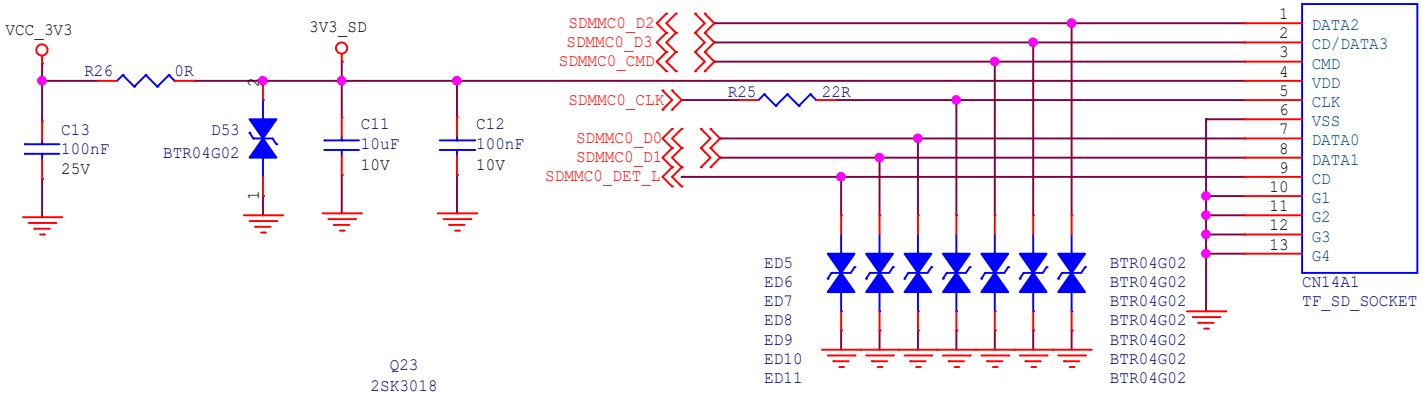
USB OTG

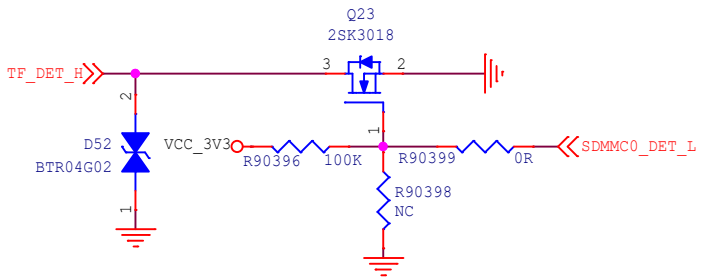




SEL	OE	FUNCTION
X	H	DISCONNECT
L	L	D+D-=HSD1n
H	L	D+D-=HSD2n

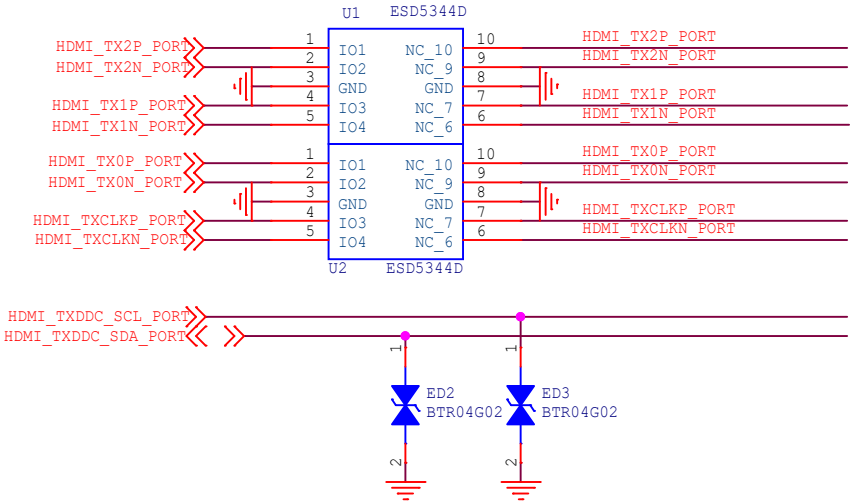
TF Card

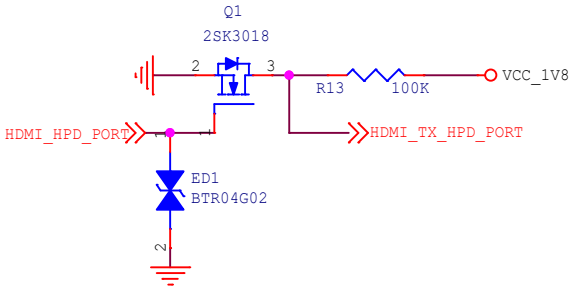


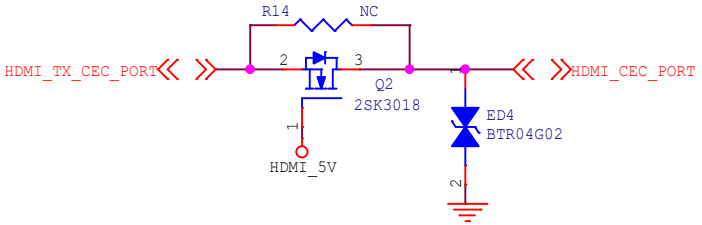


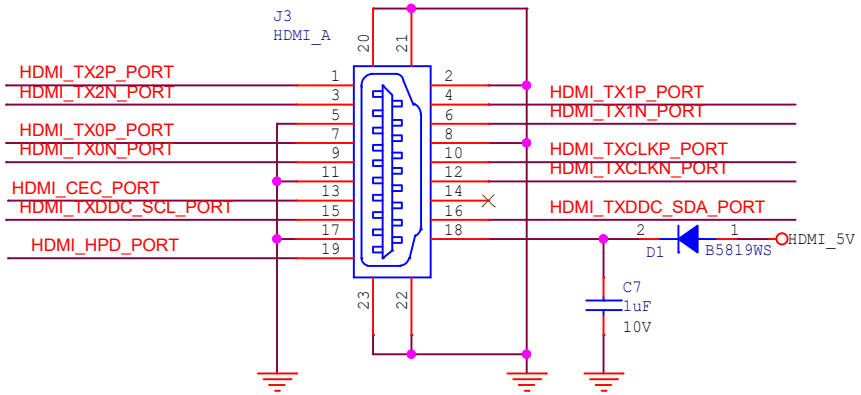
Size	Title:	CM3 SODIMM IO Board	REV
A4	Page Name:	TF Card_USB OTG	1.51
Date:	Monday, March 27, 2023	Sheet 07 of 12	

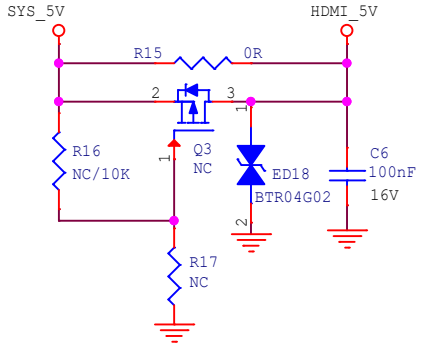
HDMI2.0 TX





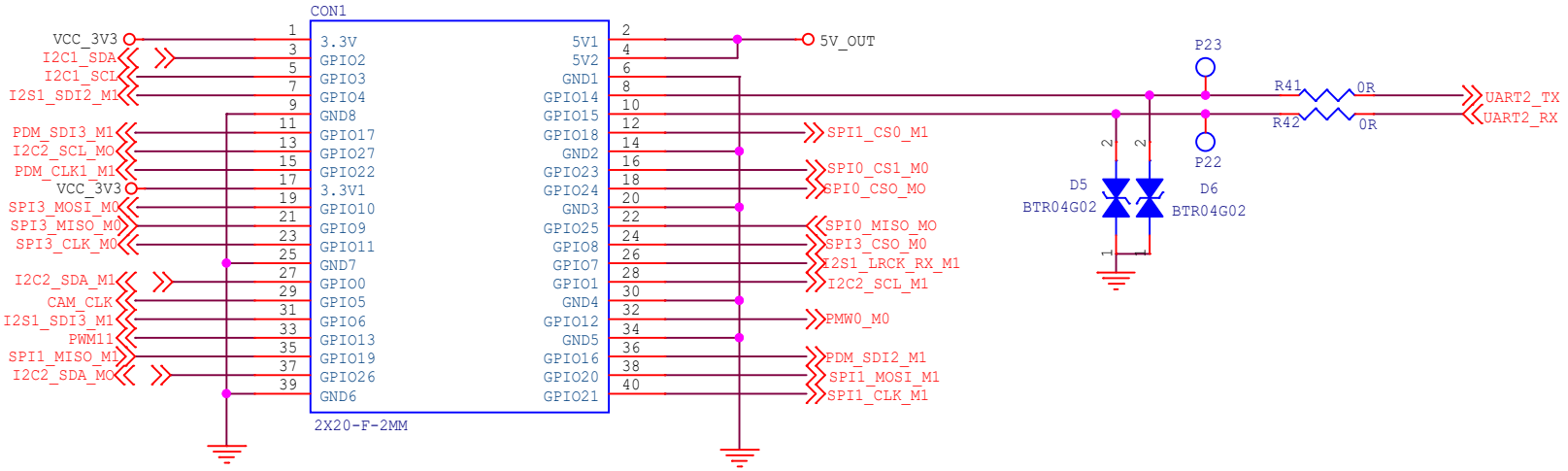




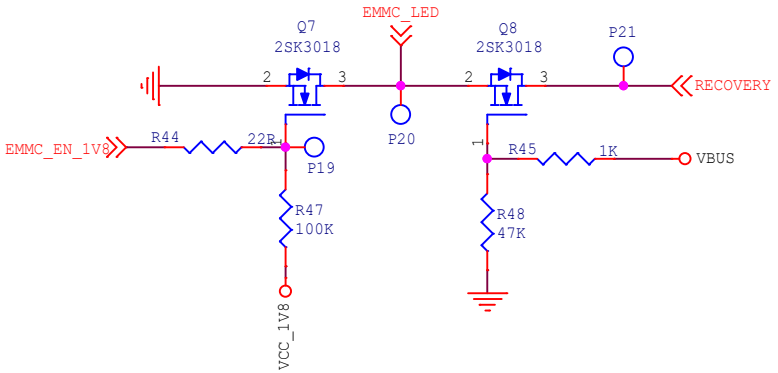


radxa

Size	Title:	REV
A4	CM3 SODIMM IO Board	1.51
	Page Name: HDMI OUT	
Date: Monday, March 27, 2023	Sheet 08 of 12	

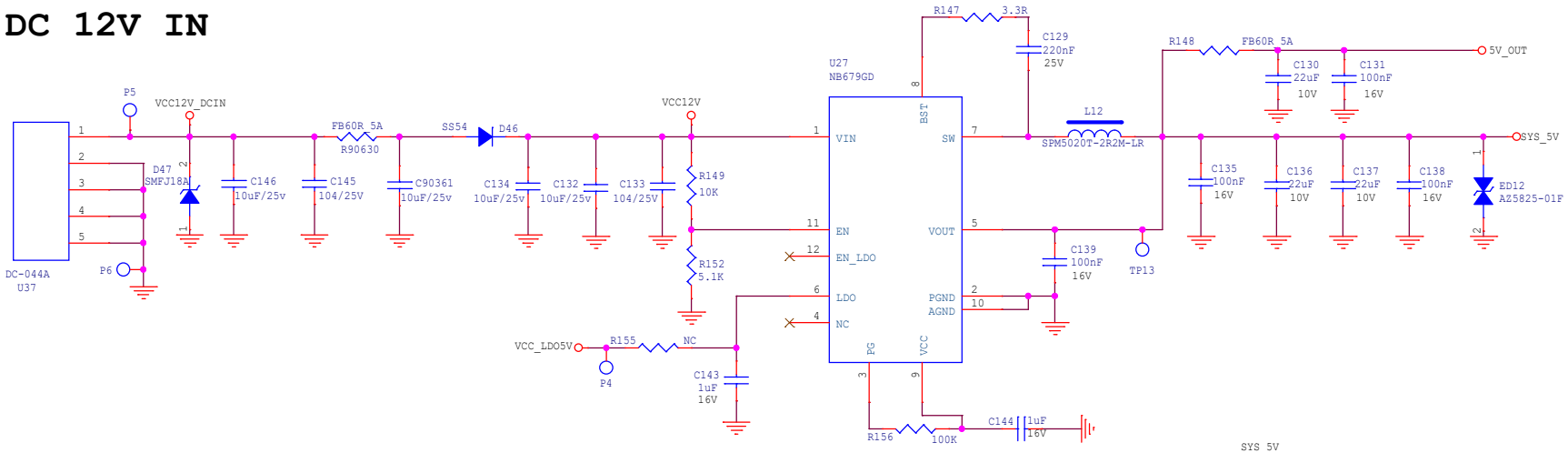


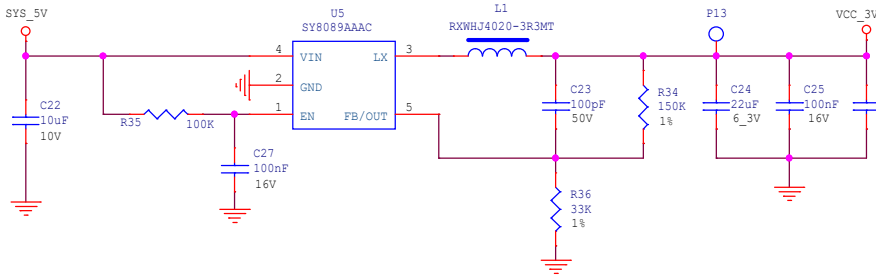
Download and USER MODE

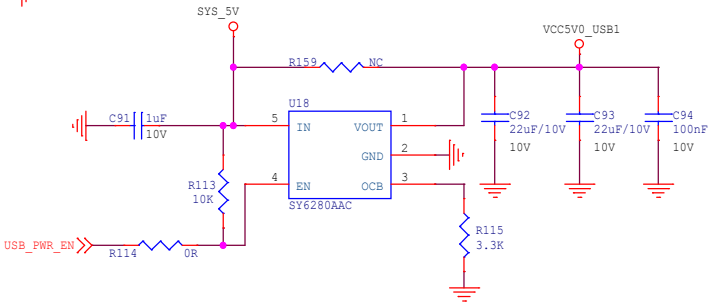


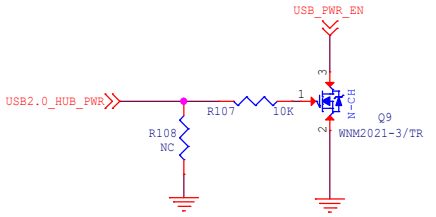
Size: A4	Title: CM3 SODIMM IO Board	REV: 1.51
	Page Name: 40PIN_Boot	
Date: Monday, March 27, 2023	Sheet 09 of 12	

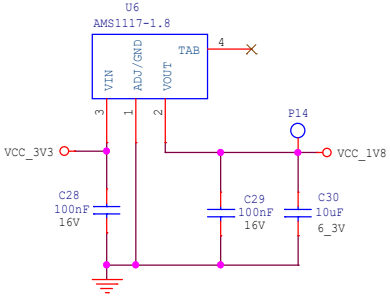
DC 12V IN

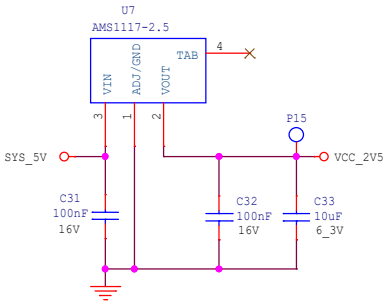


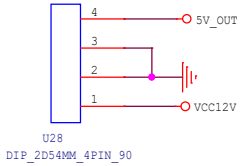






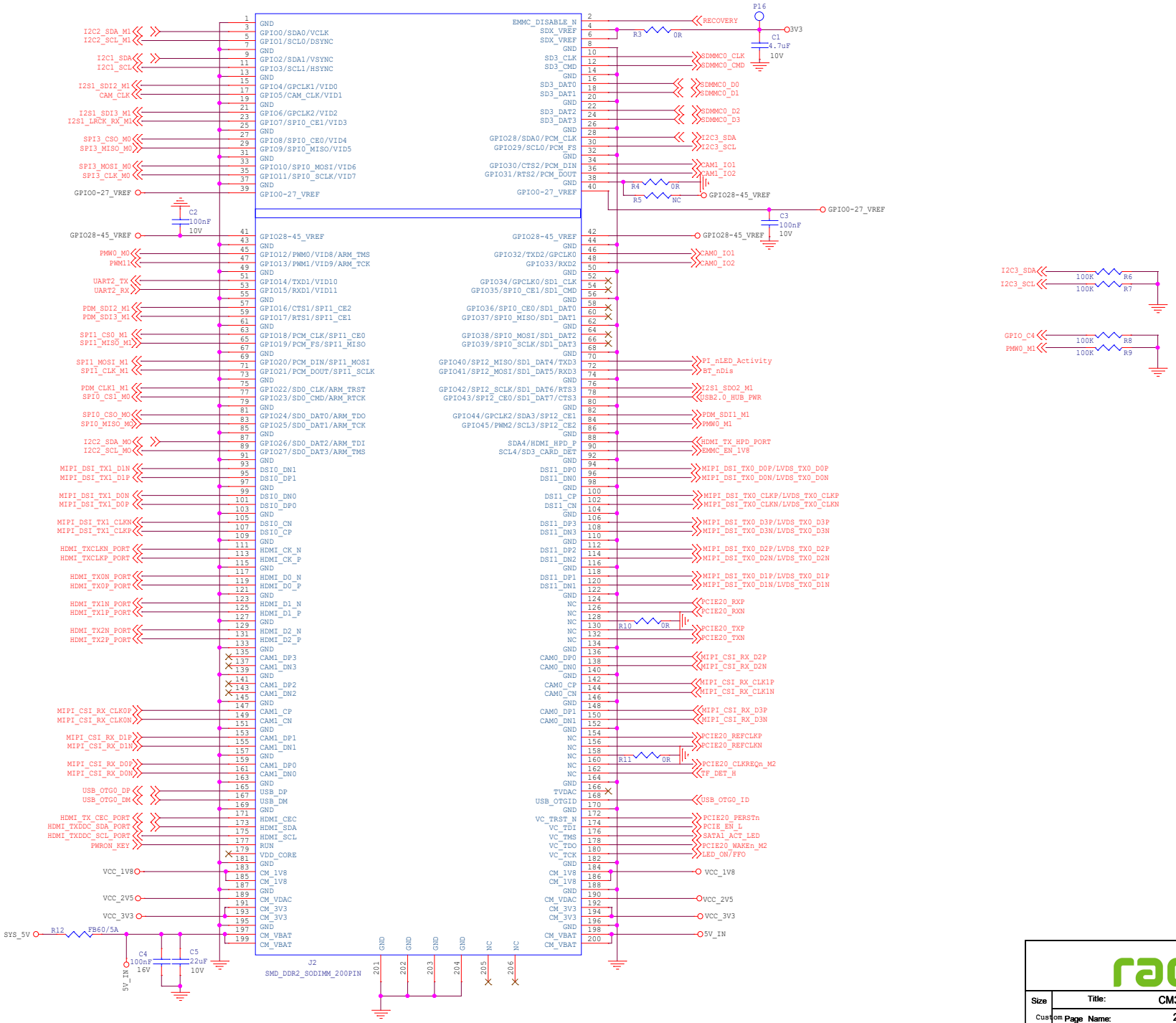




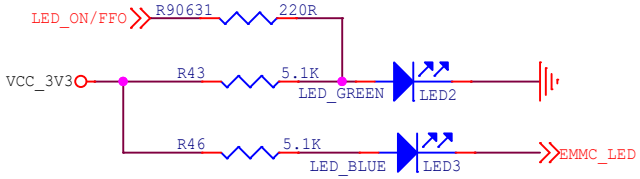


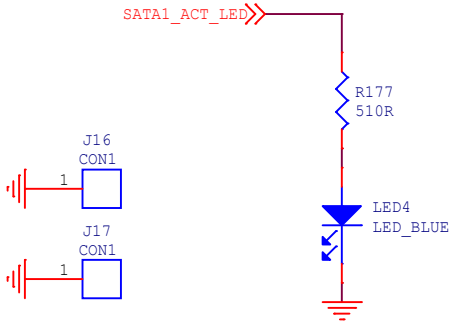
radxa

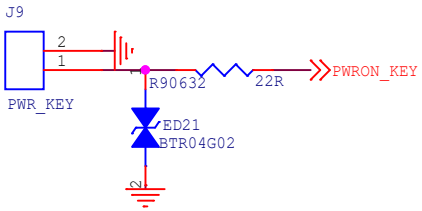
Size	Title:	REV
B	CM3 SODIMM IO Board	
	Page Name: POWER IN	1.51
Date: Monday, March 27, 2023	Sheet 10 of 12	

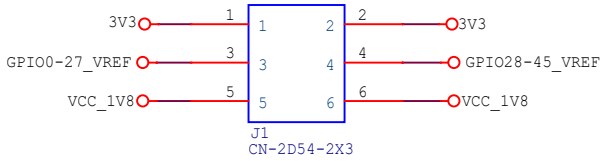


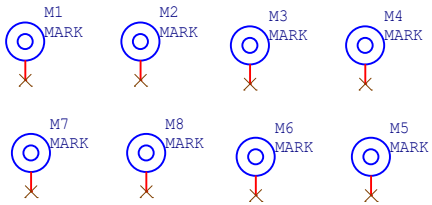
Size	Title: CM3 SODIMM IO Board	REV
Custom	Page Name: 200PIN CONNECT	1.51
Date: Monday, March 27, 2023	Sheet 11 of 12	

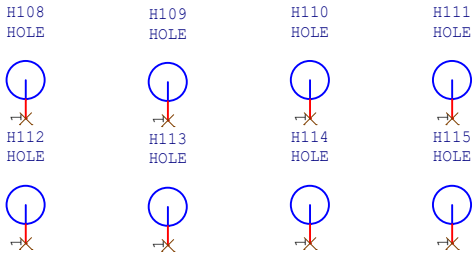












radxa

Size	Title:	CM3 SODIMM IO Board	REV
A4	Page Name:	LED_KEY	1.51
Date:	Monday, March 27, 2023	Sheet 12 of 12	